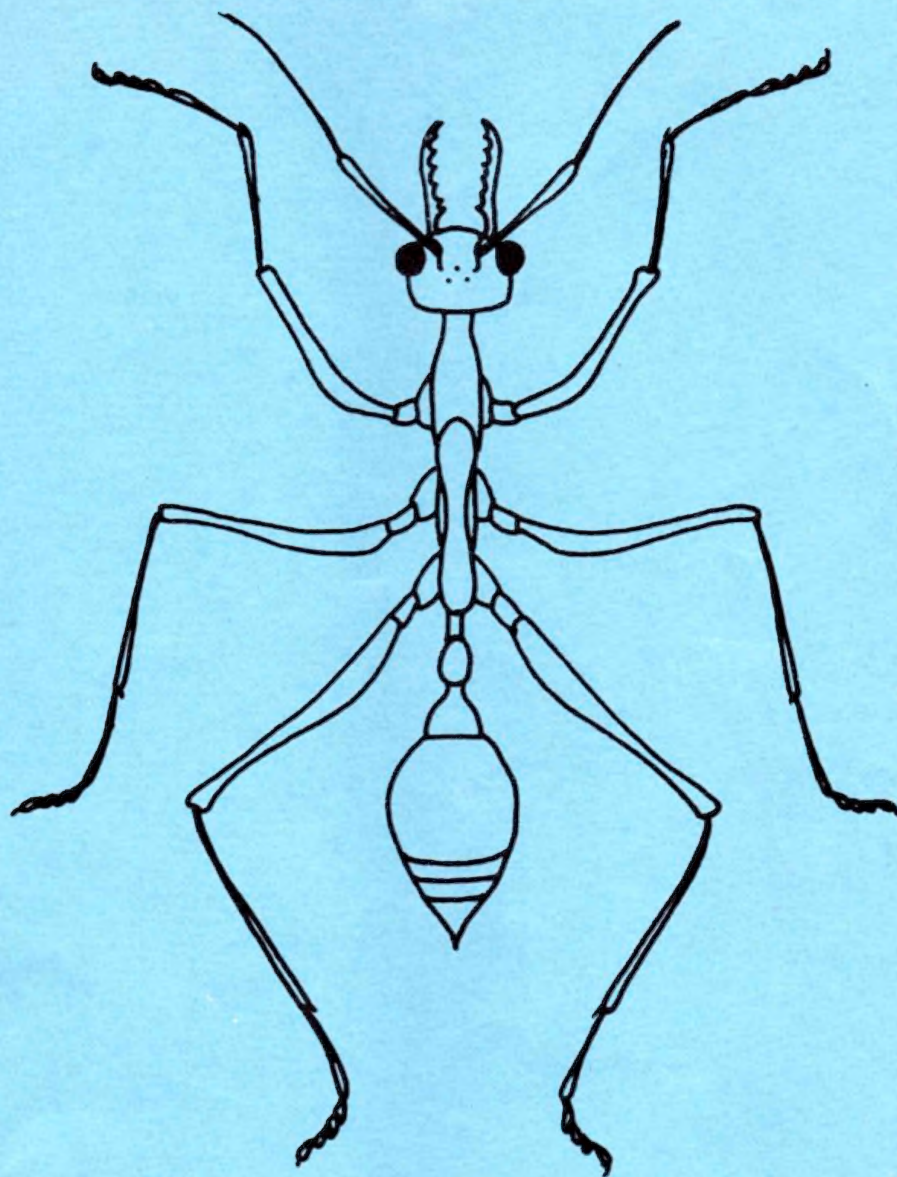


AUSTRALIAN ENTOMOLOGICAL SOCIETY



NEWS BULLETIN

Volume 2, Part 4. November, 1966.

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OUR COVER EMBLEM

Our cover emblem, designed by Sybil Curtis, is a conventionalised Myrmecia brevinoda Forel worker. A bulldog ant was chosen both as a typical Australian insect and as a symbol of the tenacity of those entomologists who worked for the foundation of this Society.

AUSTRALIAN ENTOMOLOGICAL SOCIETY

NEWS BULLETIN VOLUME 2, PART 4 - NOVEMBER, 1966.

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THE EDITOR WILL BE PLEASED TO RECEIVE CONTRIBUTIONS TO THE
NEWS BULLETIN FROM INDIVIDUAL MEMBERS OF THE SOCIETY.

PROVISIONAL OFFICE BEARERS AND COUNCILLORS

<u>President:</u>	Dr. I.M. Mackerras, Division of Entomology, C.S.I.R.O., Box 109, Canberra, City, A.C.T.
<u>Vice President:</u>	Dr. E.N. Marks, Department of Entomology, University of Queensland, St. Lucia, Queensland.
<u>Secretary:</u>	Mr. H. Standfast, Queensland Institute of Medical Research, Herston Road, Herston, N.9, Queensland.
<u>Treasurer and Business Manager:</u>	Dr. G.H.S. Hooper, Department of Entomology, University of Queensland, St. Lucia, Queensland.
<u>Editor:</u>	Dr. B.R. Champ, Department of Primary Industries, Meirs Road, Indooroopilly, Queensland.

REGIONAL COUNCILLORS

<u>Queensland:</u>	Dr. R.H. Wharton, Division of Entomology, C.S.I.R.O., 677 Fairfield Road, Yeerongpilly.
<u>N.S.W.:</u>	Mr. P.C. Hely, Entomology Branch, Division of Science Services, P.M.B. 10, Rydalmere.
<u>A.C.T.:</u>	Mr. I.F.B. Common, Division of Entomology, C.S.I.R.O., Box 109, Canberra, City.
<u>Victoria:</u>	Mr. T.W. Hogan, Plant Research Laboratory, Department of Agriculture, Swan Street, Burnley.
<u>Tasmania:</u>	Mr. K.L. Taylor, C.S.I.R.O., Tasmanian Regional Laboratory, Stowell Avenue, Hobart.
<u>S.A.:</u>	Professor T.O. Browning, Waite Agricultural Research Institute, P.M.B. 1, Glen Osmond.
<u>W.A.:</u>	Mr. M.M.H. Wallace, Division of Entomology, C.S.I.R.O., W.A. Regional Laboratory, Nedlands.
<u>T.P.N.G.:</u>	Mr. T.V. Bourke, D.A.S.F., Popondetta, N. District, Papua.

COUNCILLORS REPRESENTING AFFILIATED

SOCIETIES

Entomological Society of Queensland: Dr. T. Woodward, Department of Entomology, University of Queensland, St. Lucia, Brisbane.

Royal Zoological Society of New South Wales: Mr. C.N. Smithers, Australian Museum, College Street, Sydney.

Entomological Society of Victoria: Mr. J.C. Le Souef, Charles Street, Blairgowrie, Victoria.

EXECUTIVE APPOINTMENTS

Bulletin Editor: Mr. C.N. Smithers, The Australian Museum, 6-8 College Street, Sydney, N.S.W.

Assistant Secretary: Mr. T.A. Weir, Department of Entomology, University of Queensland, St. Lucia, Queensland.

Assistant Editor: Mr. R.W. Steele, Department of Primary Industries, Meirs Road, Indooroopilly, Queensland.

MATERIAL IN THIS BULLETIN MUST NOT BE REFERRED TO NOR

REPRODUCED WITHOUT PERMISSION OF THE AUTHOR OF THE

MATERIAL.

Articles, Notes, Letters to the Editor and other material for the News Bulletin should be sent to the News Bulletin Editor, or to your Regional Councillor.

A LETTER FROM OUR PRESIDENT TO THE ENTOMOLOGICAL SOCIETY OFQUEENSLAND

The Australian Entomological Society,
C/- Division of Entomology,
C.S.I.R.O.,
P.O. Box 109,
Canberra City,
A.C.T.

16th August, 1966.

Dr. R.H. Wharton,
President,
The Entomological Society of Queensland,
C/- Division of Entomology,
C.S.I.R.O.,
667 Fairfield Road,
Yeerongpilly,
BRISBANE, Q' LAND.

My dear Mr. President,

Following completion of the Instrument of Agreement between our two Societies for the transfer of the Journal of the Entomological Society of Queensland to the Australian Entomological Society, I feel impelled to place on record our warm appreciation of the unselfish and, we all sincerely hope, farsighted action of your Society. The negotiations were conducted in a notable spirit of goodwill and with the advancement of entomological knowledge the only basic consideration in mind, so they could not have failed to be successful. That they were completed so smoothly and quickly is a tribute to those few, including yourself, who were most directly concerned in both Societies.

Your Society has made a very generous gift. We, for our part, are fully conscious of the responsibility we have assumed; and we would like to assure you that we will endeavour in every way we can to meet that responsibility with the same distinction with which your Society has discharged it in the past. We have no thought of failure - indeed, as you know, we plan to expand - but should we fail we will return the Journal to your Society without loss of continuity. In that way its already established usefulness can never be jeopardized.

With cordial greetings and good wishes to yourself, your Council, and your Members,

Yours sincerely,

I.M. Mackerras
PRESIDENT

REPORT FROM THE EXECUTIVE

Four Executive and three Officers' Meetings were held between 29th July and 26th October. The Officers constitute the Publication Committee; no distinction is made of meetings held in this capacity but all were mainly concerned with publication. The principal business and decisions of these meetings were as follows:

Membership. Twelve new members were elected and one resigned; total membership at 26th October was 334.

Finance: At 26th October the Credit Balance was \$482.51 in the General Account and \$1797 in the Publications Account; 8 subscriptions were outstanding for 1965 and 19 for 1966. During August subscription notices were sent to those in arrears for 1966 and final letters to those owing for 1965/66.

A separate account, the Publications Account, was opened to receive subscriptions to the Journal and other publications. This will be operable by any two of the Business Manager, Vice President and Secretary.

Members in arrears for 1965/66 will be struck off the membership list at 1st January 1967 (in accordance with Clause 11 of the Provisional Constitution).

Members in arrears for 1966 will not receive any further News Bulletins after this issue, until their arrears are paid. (Clause 11).

Remission of Subscriptions to Student Members. Members already receiving student remissions are reminded that they must reapply for a remission in 1967. If no application is received, the Treasurer will assume that they are no longer eligible for a remission.

Remissions will be granted only to Australian and foreign students studying in Australia, and to Australians studying abroad.

Entitlement of Regions to a second representative Councillor. Under Clause 24 of the Provisional Constitution, each State or Territory with 76-150 financial members shall appoint two representatives on Council. At 26th October Queensland and New South Wales each had 71 financial members (i.e. members not more than 6 months in arrears with subscription). When either reaches 76 it will be announced in the News Bulletin.

Members who have had Honours conferred are asked to advise the Secretary of the letters to which they are entitled so that these may be recorded in the following list.

List of Foundation Members. All who have joined the Society before 15th January 1967 and have paid their first subscription will be Foundation Members (Clause 8 of the Provisional Constitution). A list of Foundation Members will be published in the first Volume of the Journal (i.e. J. Aust. ent. Soc. Vol. 6, 1967). It will be alphabetical (not under regions), and honours but not degrees will be listed. A draft list will be sent to Regional Councillors, and copies will be tabled for inspection at the Annual Meeting. All members are asked to cooperate to make this list as complete and accurate as possible.

Change in Constitution. In accordance with Clause 2 of the Provisional Constitution, the Executive made the change listed elsewhere in this Bulletin, which will be submitted for confirmation at the next meeting of Council.

By-laws. In accordance with Clause 21 of the Provisional Constitution, further By-laws enacted by the Executive are promulgated in this News Bulletin and are subject to ratification by the next meeting of Council.

Delegates to A.N.Z.A.A.S. Messrs. T.W. Hogan and K.L. Taylor and Dr. E.N. Marks were appointed the Society's delegates to the 39th Council of A.N.Z.A.A.S., January 1967.

News Bulletin. Volume 2, Part 3 was posted to members on 30th August.

The Executive decided to accept advertisements in the Bulletin to avoid restricting its size because of cost.

Acting Editor. In accordance with the By-laws the Executive appointed Dr. R.H. Wharton to be Acting Editor during the absence overseas of the Editor, Dr. B.R. Champ, who departed for Britain on 28th October and will be away six months.

Authors should continue to address manuscripts to the Editor, as these will be registered by the Assistant Editor before being handed to Dr. Wharton.

Journal. The transfer of Journal business from the Entomological Society of Queensland is proceeding and circulars have been sent to all subscribers to J. ent. Soc. Qd.

A circular and a notice to authors were sent to members. Affiliated Societies have been consulted as to the best method of bringing this information before their members.

All material for inclusion in Part 1 of J. Aust. ent. Soc. Vol. 6, 1967, must be in the Editor's hands by 28th February, 1967.

Handbook. The manuscript by K.R. Norris, "Methods of Collection and Preservation of Insects" was accepted for publication as the Society's first Handbook. This is expected to be issued in November.

The Business Manager would be glad of suggestions of Institutions and Associations likely to be interested in purchasing the Journal and/or Handbook, and of appropriate journals which might review the Handbook if sent a copy.

Venue of Second Annual General Meeting. A.N.Z.A.A.S. meets in New Zealand in January 1968 and in accordance with Clause 29 of the Provisional Constitution, the Executive may organise a separate meeting of the Society during 1968. The responsibility of organising the scientific portion of such a meeting would devolve on members in the Region concerned (Clause 30).

It is hoped that the place and time for this meeting can be decided by Council in January 1967. The Executive has received a suggestion that it might be held at Armidale and this has been referred to the N.S.W. Regional Councillor for discussion with Professor A.F. O'Farrell and with Regional Members.

International Congress. Correspondence was initiated with the Entomological Society of New Zealand who have promised their fullest cooperation in this project.

ALTERATION TO PROVISIONAL CONSTITUTION

NOTE. The following alteration was made by the Provisional Executive on 18th August, 1966 and is subject to confirmation by the next meeting of Council.

Clause 23. The Council of the Society shall consist of the Officers, immediate past President, members appointed to represent regional groups, and one member nominated by each affiliated Society.

AUSTRALIAN ENTOMOLOGICAL SOCIETY BYLAWS

NOTE. The following By-laws were enacted by the Provisional Executive on 5th October, 1966 and are subject to ratification by the next meeting of Council.

JOURNAL

The Journal of the Australian Entomological Society will be published annually in two parts issued in June and December of each year. This Journal will continue the Volume sequence commenced by Volumes 1 to 5 of the Journal of the Entomological Society of Queensland.

Entomological contributions will be eligible for consideration for publication if submitted by a Member of the Australian Entomological Society or a Member of an Affiliated Society. Material by authors not Members of these Societies must be communicated through a Member of the Australian Entomological Society.

An amount of three dollars shall be set aside from the annual subscription of each Member and Affiliated Society as a subscription to the Journal.

These amounts shall be specially accounted in the annual balance sheet and be duly audited.

Where it is necessary to forward copies of the Journal by post, the copies will be posted to members at regular intervals.

NOMINATIONS FOR OFFICERS AND COUNCIL

When nominations for Definitive Officers and Regional Councillors of the Australian Entomological Society closed on 14th November, 1966, the following had been received:

Officers. (Take Office at the First Annual General Meeting and serve for two annual terms, i.e. until August 1969 A.N.Z.A.A.S. in Adelaide).

PRESIDENT	Professor M.J.D. White, F.R.S. Proposed by I.M. Mackerras, seconded by D.F. Waterhouse.
VICE PRESIDENT	Dr. E.N. Marks. Proposed by I.M. Mackerras, seconded by D.F. Waterhouse.
HON. SECRETARY	Mr. H.A. Standfast. Proposed by R.H. Wharton, seconded by D.F. Colless.
HON. TREASURER	Dr. G.H.S. Hooper. Proposed by K.R. Norris, seconded by R.H. Wharton.
HON. EDITOR	Dr. B.R. Champ. Proposed by D.F. Colless, seconded by K.R. Norris.

HON. BUSINESS MANAGER Dr. G.H.S. Hooper.

Proposed by K.R. Norris, seconded by D.F. Colless.

Council (commence service at the First Annual General Meeting and serve until the Second Annual General Meeting in 1968).

REGIONAL COUNCILLORS

PAPUA & NEW GUINEA Mr. T.V. Bourke.

(WITH NORTHERN TERRITORY) Proposed by T.L. Fenner, seconded by R.A. Carver.

QUEENSLAND

Dr. R.H. Wharton.

Proposed by R. Domrow, seconded by B.R. Champ.

NEW SOUTH WALES

Dr. G.J. Shanahan.

Proposed by P.C. Hely, seconded by G.A. Pasfield.

AUSTRALIAN CAPITAL TERRITORY

Nil.*

VICTORIA

Nil.*

TASMANIA

Professor B. Johnson.

Nominated by K.L. Taylor, seconded by L.W. Miller.

SOUTH AUSTRALIA

Professor T.O. Browning.

Proposed by P.W. Miles, seconded by D.A. Maelzer.

WESTERN AUSTRALIA

Nil.*

*These now must be treated as casual vacancies, to be filled by the Executive acting under Clause 24 of the Provisional Constitution.

REPRESENTATIVE COUNCILLORS APPOINTED BY AFFILIATED SOCIETIES. The Secretary is to be notified of these appointments before the Annual General Meeting. The following society has already notified its appointment.

ROYAL ZOOLOGICAL SOCIETY OF NEW SOUTH WALES: Mr. C.N. Smithers.

H.A. Standfast
Hon. Secretary.

NOTICE OF MEETING - JANUARY 1967

Members are advised that the First Annual General Meeting of the Australian Entomological Society will be held as follows:

Time: Sunday, 15th January, 1967, at 2.00 p.m.

Place: Department of Zoology and Comparative Physiology,
Monash University, Clayton, Victoria.

Agenda:

1. Secretary reads notice calling meeting.
2. Apologies.
3. Deaths recorded.
4. Abstract of Minutes of Inaugural Meeting.
5. General announcements.
6. Report by Executive.
7. Report by Editor.
8. Report from Council Meeting.
9. Presentation of Audited Financial Statement by Treasurer (includes nomination of Auditor and comments on current financial position).
10. Brief reports by Regional Councillors.
11. Proposals submitted by Members or Affiliated Societies.
12. Other business approved by the Executive.
13. Announcement of Officers and Council.
14. Induction of incoming President.
15. Presidential Address by the retiring President,
Dr. I.M. Mackerras, M.B., Ch.M., B.Sc., F.R.A.C.P.,
M.C.P.A., F.A.A., F.R.E.S.
"Grades in the Evolution and Classification of Insects."

H.A. Standfast
Hon. Secretary.

ADDITIONAL INFORMATION RE ANNUAL GENERAL MEETING AND JOINT

SYMPOSIUM IN CONJUNCTION WITH ANZAAS CONFERENCE, 1967, MELBOURNE.

Annual General Meeting, Sunday, January 15th, 1967:

A tentative programme for the Morning Session has been made out as follows:

- (Time includes 5 minutes for questions at the end of each address)
- 9.15 - 9.40. J. Evans: The Control of Tyrosinase Activity in Melanogenesis.
- 9.40 - 10.05. T.K. Wan and G.H.S. Hooper: The Possible Role for Aliesterase Enzymes in Insects.
- 10.05 - 10.30. J.L. Madden: Flight and Oviposition Behaviour of the Sirex Wasp.
- 10.30 - 10.55. R.W. Taylor: Studies on the Australian Ponerine Army Ant, Onychomyrmex.
- 10.55 - 11.15. MORNING TEA
- 11.15 - 11.30. G.A.H. Helson: Adult Periodicity of Costelytra zeelandica (Scarabaeidae) in New Zealand by the Use of Survey Type Light Traps.
- 11.30 - 11.55. E. Hamilton-Smith: The Arthropods of Australian Caves.
- 11.55 - 12.20. A.F. O'Farrell: Physiological Colour Change in Odonata.
- 12.20 - 12.45. J.J.H. Szent - Ivany: Entomological Research in the Pacific, with Special Reference to Islands of the Pacific Ocean.
- 12.45 - 1.10. T.O. Browning: The Contribution of Ecology to Economic Entomology.

LUNCH

Transport: Buses will leave Melbourne University at 8.15 a.m. A "pick-up" has been arranged for the Corner of Collins and Swanston Streets. A further stop will be made in St. Kilda Road if enrolments indicate this is necessary.

Monash University:

Lecture Theatre S.7 of the Zoology School has been booked for the Sunday programme.

Registration:

It is most important that registration for the Annual General Meeting be made as early as possible, as this will enable the organizing committee to make firm arrangements regarding catering and transport.

The registration form and questionnaire was included in the August Issue of the News Bulletin.

Payment:

Cheques and Money Orders should be made payable to Australian Entomological Society.

Symposium (ANZAAS Section D) Tuesday, January 17th, 1967:

The programme for the Tuesday symposium appeared in the August number of the News Bulletin.

Registration for the Symposium is part of the general registration for the ANZAAS Conference.

NEW MEMBERSElected by Executive on 18.8.66.

Mr. J.C. Gellatley, C/- Box 31 P.O., Gosford, N.S.W.

Elected on 15.9.66.

Mr. J.H. Harris, P.O. Box 6, Ringwood, Vic.

Mr. P. Kelly, 260 The Boulevard, East Ivanhoe, Vic.

Mr. C.F. King, St. John Fisher College, University of Tasmania,
Hobart, Tas.

Mr. D.J. Lee, School of Public Health & Tropical Medicine,
University of Sydney, Sydney, N.S.W.

Prof. G.C. Wade, 5 Nightingale Avenue, Taroona, Tas.

Elected on 5.10.66.

Mr. G.L. Baker, D.A.S.F., Popondetta, Papua.

Mr. H. Burton, Dept. of Entomology, University of Queensland, St. Lucia,
Q.

Mr. T.K. Wan, Dept. of Entomology, University of Queensland, St. Lucia,
Q.

Elected on 26.10.66.

Miss S. Hamlyn, Women's College, St. Lucia, Q.

Dr. F. Raw, Dept. of Entomology, Rothamsted, Harpenden, Herts,
England.

Dr. R.W. Taylor, Division of Entomology, C.S.I.R.O., P.O. Box 109,
Canberra City, A.C.T.

CHANGES OF ADDRESS

(State of previous residence is indicated in brackets)

- Mr. A.N. Burns, 20A Laburnum St., Blackburn, Vic. (V.)
- Mr. J.E. Dunwoody, Dept. of Entomology, School of Agriculture,
Virginia Polytechnic Institute, Blacksburg, Va., U.S.A. (Q.)
- Dr. J.J.T. Evans, Zoology Dept., University of Melbourne, Parkville,
N.2., Vic. (N.S.W.)
- Mrs. J.F. Greenhill, Flat 6, 11 Lynton Ave., Dynnyrne, Hobart, Tas. (T.)
- Dr. K.L.S. Harley, C/- R.S. Harley, 63 Hansen St., Moorooka, Q (Hawaii)
- Professor B. Johnson, Zoology Department, University of Tasmania,
Hobart, Tas. (S.A.)
- Mr. A.N. Johnston, 99 Newton Road, Strathfield, N.S.W. (N.S.W.)
- Mr. B.S. McIntosh, C/- Zoology Dept., University of Tasmania,
Hobart, Tas. (A.C.T.)
- Mr. F.D. Page, C/- Dept. of Primary Industries, Biloela, Q. (Q.)
- Dr. G. Pritchard, Dept. of Entomology, University of Alberta,
Edmonton, Alberta, Canada. (N.S.W.)
- Mr. J.B. Williams, Dept. of Zoology & Comparative Physiology,
Monash University, P.O. Box 92, Clayton, Vic. (Q.)
- Mrs. L.A. Ballantyne, Dept. of Entomology, University of
Queensland, St. Lucia, Brisbane. (Formerly Miss L.A. Powell.) (Q.)
- Dr. J.J.H. Szent-Ivany, 39 Addison Avenue, Athelstone, S.A. (S.A.)

CORRECTION:

Mr. S.H. Christian, Minj, W.H.D., T.P.N.G.

REGIONAL MEETING OF QUEENSLAND MEMBERS

At the first meeting of Queensland members of the Society, held at the University of Queensland on 5th October 1966, seventeen members and three visitors heard an address by the President in which he outlined the progress of the Society since the Inaugural Meeting and paid tribute to the Executive, and in particular to the late Dr. A.W.S. May, first Honorary Secretary, in establishing the Society on a firm basis. He concluded by suggesting that there is today a greater need for integration of existing information on the Australian insect fauna than for the collection and naming of new species; our desert regions, which are of relatively recent development, offer a unique opportunity for the study of the evolution of adaptations of insects to aridity; and we need to consider which of our faunal problems are more urgent, for the human population explosion, if not contained, will result in virtual disappearance of natural faunal reserves. Five sets of exhibits were presented,

including a gallery of 31 annotated portraits of Queensland entomologists now on display in the Department of Entomology in the University, and families of Coleoptera (Boganiidae, Eucinetidae, Jacobsoniidae, Memonychidae) newly recorded from Australia by Dr. R.A. Crowson, University of Glasgow.

MEETINGS OF THE ENTOMOLOGICAL SOCIETY OF QUEENSLAND

Meetings are held in the Department of Entomology, University of Queensland, at 8 p.m. on the second Monday of each month (except January, February, and usually August), unless special circumstances necessitate an alteration of date or time.

On August 4th Dr. J.M. Hoy, Director of the Entomology Division, D.S.I.R., New Zealand, spoke on "The Work of the Entomology Division" (see News Bull. ent. Soc. Qd No. 26). Despite the change of date, the meeting was attended by 20 members and visitors.

The main business of the meeting on September 12th, with 27 members and visitors present, was an address by Dr. R.A. Crowson, of the University of Glasgow, on the subject "A phylogenist looks at the Coleoptera" (News Bull. ent. Soc. Qd. No. 27).

The meeting on October 10th took the form of a Symposium on "Exotic insects and insect borne diseases"; Dr. E.J. Reye spoke on the historical aspect, Mr. N. Heather on agricultural, stored products and forestry aspects, and Dr. D.E. Moorhouse on medical and veterinary aspects (News Bull. ent. Soc. Qd No. 28). 26 members and visitors attended.

APPOINTMENT OF UNIVERSITY OF QUEENSLAND'S FIRST PROFESSOR OF ENTOMOLOGY

Appointment of the University of Queensland's first Professor of Entomology has been announced by the Vice-Chancellor, Sir Fred Schonell.

He is Dr. Frank Raw, who is now Principal Scientific Officer, Rothamsted Experimental Station in the U.K. He is expected in Brisbane early in 1967 to commence his new duties for the next academic year.

In commenting on Queensland's good fortune in obtaining Dr. Raw's services, Sir Fred said, "He comes to us highly recommended as an excellent lecturer; possessing an extremely wide knowledge of general

agricultural entomology; well acquainted with its practical aspects; and a scholar in close contact with many of its theoretical aspects."

Dr. Raw received his baccalaureate in science with first class honours in 1942 from Queen Mary College of London University, having specialized in zoology, entomology, and botany; and in 1949 he was awarded a doctorate, also from London.

Particularly applicable to Queensland is his special field of interest and research, on which he has written and published extensively — insect ecology with special reference to soil pests of grasslands and cereals and their natural and chemical control.

Prior to his appointment to Rothamsted in 1948, he had served as research assistant in zoology at Cambridge, and advisory entomologist to the British National Agricultural Advisory Service. In 1954, at the request of the Colonial Office, he was seconded to a West African research institute in Ghana for two years.

Dr. Raw, 46, is married to an Australian. They have three children aged 12, 10, and 6. His hobbies are beekeeping and gardening.

RETIREMENT

Dr. F.H.S. Roberts, Division of Animal Health, C.S.I.R.O., retired as Officer-in-Charge of the Veterinary Parasitology Laboratory, Yeerongpilly on January 10th, 1966. After a holiday overseas, Dr. Roberts returned to Yeerongpilly as a Research Fellow to continue his work on ticks and especially to prepare a monograph of the Australian species.

RETIREMENT OF DR. J.J.H. SZENT-IVANY, D. POL. SC. AND ECON. (VIENNA),

PH.D. (BUDAPEST), FROM THE NEW GUINEA ADMINISTRATION.

A few weeks ago when I opened a letter from Mr. C.N. Smithers, Curator of Insects at the Australian Museum, I happened to have the February issue of the Society's "News Bulletin" in front of me. Mr. Smithers was inviting me to write a note for the Bulletin as a tribute to Dr. J.J.H. Szent-Ivany and to mark his retirement.

Looking through the Bulletin I found on page 16 a note by Dr. J.W. Evans, congratulating the Victorian Entomological Society on its new journal "Wings and Stings". He said that the articles had obviously all been contributed "by those who, like Alice, 'rejoice in insects'". That, I thought, was exactly the right note, and I am grateful to Dr.

Evans, who has known and worked with Joe over a sizeable period, and who has been so helpful to our Territory Museum, for providing on this special occasion exactly the right quotation. If anyone ever "rejoiced in insects" surely it was Joe.

I did not want to be selfish about this, and so I sent a little note to a few people who have known Joe in the Territory and elsewhere, and there was an overwhelming response, which is, to say the least of it, an unusual phenomenon in this climate. It appears that everybody who has known and worked with Joe, and even those who have not, have not only admired his learning and knowledge, and his proficiency in the field, but have formed a very deep personal regard for him, without fully realising that everybody else has precisely the same feelings for him.

One only needed to take some unfamiliar insect, however common it might be to the specialist, to the Division of Entomology to be greeted by an avalanche of enthusiasm and a rapid fire of questions - where and when was it found? in daylight or in darkness? was it running or standing still? was it visiting lights and what was it doing? were any other insects about at the same time, many or few? At the same time, speaking rapidly. Joe would interpose a great deal of information between his questions, and would leave his visitor a little confused, but with the rewarding impression that he had made a major contribution to scientific knowledge. It was Joe's infectious enthusiasm for specimens, especially from unfrequented parts of the Territory, that induced me to do what little I could when on circuit to keep a look out for insects of any kind. Many others have had similar experience.

Mr. Gabriel Keleny of the Department of Agriculture, Stock and Fisheries, Konedobu, has provided a graphic account of Joe's early days in the Territory when he had become naturalised and found difficulty in passing the medical tests for the Public Service. Nobody could accuse Joe of being slender, and weight was one of his problems, but in spite of the enormous amount of energy he expended daily, and at night time, in his work, and in spite of the severest diet to which he subjected himself, his shadow never grew less. Fortunately, he overcame the problems involved, and he stayed on to make one of the greatest personal contributions ever made in the Territory.

When he first came he was misled into thinking that a car and trailer containing his laboratory were already awaiting him, and he would be required to drive all around Papua and New Guinea collecting insects in the various regions. Whoever gave him that impression could not have known much about the Territory, for this could not be done even to-day. However, it did not dampen Joe's enthusiasm when he got here.

Mr. Keleny gives me a little anecdote which will amuse all who have known Joe. It occurred in Bougainville in about 1954 at Buin. From there Joe had to go to Siwai, but no transport was available, so Joe borrowed a bicycle and was seen riding through the primary forest, festooned with haversacks and other collecting gear, at the same time making mighty swipes with a net and catching butterflies. One has to know the man to picture this sight and appreciate the feat.

There are several anecdotes illustrating Joe's single-mindedness when occupied in his work in the field. One version, supplied by Mr. Ted Fenner, who now presides at the Division of Entomology, tells of one of many occasions when travelling by air, Joe found that the aircraft would be delayed for some time at one of the ports of call on the way. Passengers were advised that there would be one hour's wait and Joe promptly slung on his collecting bag, took his net and sallied forth to sample the insect fauna in the vicinity. Of course, the usual thing happened, and when the aircraft was ready Joe had disappeared into the bush. The aircraft was about to take off when a wildly gesticulating native was seen running towards the aircraft pointing to the far end of the runway. There, emerging from a clump of bananas and still gathering his gear, was Joe. He had been completely engrossed in his task and had forgotten all about the aircraft until the revving-up of the engines reminded him of the need to hurry back.

Just in case we may give the impression of remembering Joe solely as a popular figure, a short list of his qualifications and professional activities will serve to show how a busy professional man manages to fill in his time. The following biographical data is impressive to say the least of it.

Born : 3rd November, 1910.

Married to Maria Louise de Lakatos on 1st October, 1940. (one married daughter, Mrs. I. Wetherall, lives in Sydney).

Tertiary Education: Studied Economics and Political Science in Vienna; Agricultural Science, Pure Science and Geography in Budapest (majoring as undergraduate in Systematic Zoology). (1928-1936).

Ph. D ("Summa cum laude"): November 1936.

Honorary University Lecturer in Zoogeography: 1943.

Positions held before and during the war: Research Officer and Curator of collections of five insect orders at the Zoological Department of the Hungarian Museum of Natural History (Hungarian

National Museum); Technical Secretary to the Director-General of the Hungarian Museum of Natural History; part-time lecturer in zoogeography at the University of Szeged; twice on secondment at the Hungarian Biological Research Institute at Tihany (Lake Balaton) (1936-1944).

Military Service and positions held in Western Germany after the war:
1944/45 - Hungarian Army: joined the Canadian Army after the war as Education Officer; later other temporary positions with the British Army and on contract with the Australian Government in an English Language school for migrants.

Positions held in Australia and in the Territory of Papua and New Guinea: Upon arrival in Australia, as an assisted I.R.O. migrant working on contract as accounts clerk - interpreter with the Commonwealth Department of Works, Canberra - joined the Department of Agriculture, Stock and Fisheries at Konedobu on 6th April, 1954, as Entomologist: promoted to Senior Entomologist in 1959 and to Class IV Entomologist in 1966.

Honorary Positions held :

- | | |
|-----------------------|--|
| 1934-36 | President, Natural History Federation, University of Budapest. |
| 1937-44 | Editor of the Journal of the Hungarian Entomological Society. |
| 1938-39 | Editor (and founder) of the Journal: "Fragmenta Faunistica Hungarica". |
| 1943-44 | Member of the combined Systematic Fauna Survey Team of the Hungarian Academy of Science, National Museum and University of Budapest. |
| 1955-57 | Member of the Standing Committee of Pacific Entomology, (Pacific Science Association). |
| 1957-61 | Chairman of the Standing Committee on Pacific Entomology. |
| 1961 to present date: | Member of the Standing Committee on Pacific Entomology. |
| 1961 | Chairman of the Resolution Committee for Biological Sciences, X Pacific Science Congress (Honolulu). |
| 1960-61 | Committee Member, Territory Branch, Australian Institute of Agricultural Science. |
| 1963 | Appointed Honorary Consultant to the Papua and New Guinea Museum and Art Gallery. |
| 1964 | Appointed Member of the Board of Trustees, Papua and New Guinea Public Museum and Art Gallery. |
| 1964-65 | Councillor, Papua and New Guinea Scientific Society. |
| 1965-66 | President, Papua and New Guinea Scientific Society. |
| 1965-66 | Regional Councillor for the Territories, Australian Entomological Society. |

Research grants and travel outside of home country:

Conducted research with travel and research grants in various European Museums (London, Paris, Bruxelles, Berlin, Vienna etc.) in 1938 and 1939; with part travel grant in England, Switzerland, Italy, Ceylon, Singapore, Malaya, Indonesia, U.S.A., Canada, Hawaii, Fiji and Australia in 1956; on tour of duty in England, the U.S.A. and Hawaii in 1964.

Congresses and Conferences attended :

VII; X; and XII International Congress of Entomology, (Berlin 1938; Montreal 1956; London 1964), the IX and X Pacific Science Congress (Bangkok 1957; Honolulu 1961) I. WHO Malaria Conference for the SW Pacific (Port Moresby 1959); A.N.Z.A.A.S. Conference (Brisbane 1961); IV. Biennial Conference of Commonwealth and State Entomologists (Hobart 1963); VIII Commonwealth Entomological Conference (London 1964). Chairman of the Symposium on Coconut Pests at the IX Pacific Scientific Congress.

Research and Publications :

Research in the systematics, morphology, ecology and ethology of insects, in zoogeography, systematic fauna survey, nature conservation, agricultural and medical entomology. During the time of service with the Administration of T.P.N.G. entomological research conducted in every district of the Territory, from sea-level to 12,000 ft. in the Central Highlands and built up a collection of 200,000 insects in the Headquarters Laboratory of the Department of Agriculture, Stock and Fisheries.

Published : 115 papers (35 during service in Papua and New Guinea), including a comprehensive Chairman's Report for the X. Pacific Science Congress. Three papers are in press, two in preparation; two comprehensive publications are nearing completion. One of these, a New Guinea Entomological Bibliography (compiled with Dr. Gressitt of the Bishop Museum), contains close to 5,000 references. The other one is a list of all agricultural pests of Papua and New Guinea (about 1,200 species) complete with distribution, chronological data and hostplant records.

Alan H. Mann

SERICULTURE

Would any members of the Australian Entomological Society aid Sericulture in Australia by forming a Sericulture Society?

O. Aslett,
70, The Drive,
Concord West,
N.S.W.

REQUEST FOR RESEARCH MATERIAL:THYSANURA AND ARCHAEOGNATHA

During the compilation of the chapter on Archaeognatha (Machiloidea) and Thysanura for "The Insects of Australia", I have come across many forms that cannot be identified from the existing (and meagre) literature, and it is evident that the Australian apterygotes are very poorly known. Only three additional species of silverfish have been recorded from Australia since the publication of Womersley's "Primitive Insects of South Australia" in 1939, yet undescribed species occur in many localities; and in some cases, intraspecific variability appears to be considerable.

It is clear, therefore, that extensive collections will be required before I can undertake any useful revision. Accordingly, I would welcome the assistance of any members who can send me material, including domestic silverfish. Specimens are best preserved in a modified Bles fixative (95% alcohol, 90 parts; formalin, 7 parts; glacial acetic acid, 3 parts) or, failing this, in 95% alcohol.

Dr. J.A.L. Watson,
C.S.I.R.O.,
P.O. Box 109
Canberra City,
A.C.T.

EXCHANGE OF PUBLICATIONS

The following is an extract from a letter held by the Society. Members wishing to exchange publications should contact:

Mr. Jan Radozycki,
The Polish Academy of Sciences,
Institute of Zoology,
Warszawa,
POLAND

"We are much interested in receiving your Journal of the Entomological Society of Queensland, but we cannot at the present subscribe to it for the reason of a shortage of foreign currency in our country. We kindly ask you therefore, following the advice of the Queensland Museum, whether it would be possible for one of the members of the Society to take out a subscription to the Journal on our behalf in return exchange for a series issued by our Institute.

Looking forward to your reply

I am

Yours sincerely

(Jan Radozycki)

Chief of the Exchange Section. "

List of Publications

Annales Zoologici
Fragmenta Faunistica
Acta Ornithologica
Memorabilia Zoologica
Katalog Fauny Polski

PERSONAL NOTES

Dr. C.J. Magee, Chief, Division of Science Services, N.S.W. Department of Agriculture, retired on 16th November, 1966. Dr. Magee is possibly best known for his valuable research work during the 1920's into the nature and control of bunchy top disease in bananas. He not only demonstrated for the first time the virus nature of this devastating disease, but also proved the banana aphid, Pentalonia nigronervosa, to be the important and only vector.

Dr. Magee was responsible for establishing the Division of Science Services of the N.S.W. Department of Agriculture in the impressive headquarter's laboratories at Rydalmere where the Chemistry, Biology and Entomology Branches of the Division are situated.

Mr. C.F.H. Jenkins, Chief, Division of Biological Sciences, Western Australian Department of Agriculture, was honoured recently when he received the Medal of the Royal Society of Western Australia. Mr. Jenkins, who is well known as an entomologist and also as a keen student of bird life, is Vice-President of the Society.

Dr. M. Rahman, whose degree was awarded some months ago, has resumed his former position with the Jute Research Institute in Dacca, Pakistan.

Mr. T.C.R. White has been awarded the degree of Ph.D. from this Department, and has taken up the position of lecturer in Biology at this University. (University of Adelaide)

Mr. G.J. Snowball, Division of Entomology, C.S.I.R.O., returned in July 1966 from 10 months overseas visiting a number of scientific institutions concerned with biological control. He saw some of the very interesting work in California, Florida, Israel and South Africa on the correct use of insecticides in programmes to bring about, or avoid interference to, favourable biological balances between pest insects of citrus and their natural enemies. Public relations feature largely in these programmes since the idea of integrated control has to be "sold" to a variety of people, e.g. growers, packing house managers, etc. Also important are the collection and interpretation of data on fluctuations of pest populations, which provide the basis for decisions on whether insecticides should be applied and the timing of applications. The programmes can become very complicated when several pest species are involved, e.g. the integrated control of citrus pests in the Transvaal, South Africa, can involve :- (1) Spraying around tree trunks for ant control to augment natural control of Red Scale (Aonidiella aurantii) (2) Bait spraying of about 1 square foot of foliage per tree against Mediterranean fruit fly (Ceratitis capitata) (3) Biological control of Florida Red Scale (Chrysomphalus ficus) by Aphytis holoxanthus (4) Biological control of Mussel Scale (Lepidosaphes beckii) by Aphytis lepidosaphes (5) Tartar emetic treatments against thrips.

Dr. A.J. Wapshere, Senior Research Scientist, Division of Entomology, C.S.I.R.O., Brisbane left Australia in August to commence a study of the insects attacking skeleton weed in the Mediterranean area of Europe. He is now at the Institute of Botany of the University of Montpellier in the south of France. The aim of the programme will be to evaluate possible insects for use as biological agents against skeleton weed in Australia.

Dr. B.A. Champ, Research Entomologist, Queensland Department of Primary Industries, is spending a term as Visiting Scientific Worker at the Pest Infestation Laboratory of the Agricultural Research Council at Slough, in the United Kingdom. His main interest will be insecticidal resistance in grain insects. During his six months' stay overseas he will be visiting various European Institutions, and on his return journey he will spend six weeks in Canada and the United States.

Dr. Gordon F. Bennett, Senior Research Scientist, recently joined the Division of Entomology, C.S.I.R.O., to study the ecology of the cattle tick. Dr. Bennett has had wide experience in the systematics and ecology of blood-sucking Diptera and their protozoan parasites, and was formerly Research Fellow, Department of Parasitology, Ontario Research Foundation in Canada. He is at present visiting laboratories in Canada and the United States, and is due to take up his appointment in Brisbane early in December.

Miss Marian Gillett, who will be working for a Ph.D. in Parasitology at the University of Queensland, Brisbane, is a new arrival from England. Her project is the Transmission of Onchocerciasis in cattle, under the supervision of Dr. D.E. Moorhouse. Miss Gillett is a recent Zoology Honours Graduate from Sheffield University, and became interested in Entomology after vacation work in the Entomology Department of Rothamstead Experimental Station, Harpenden, England.

SURVEY OF CAVE-DWELLING FAUNA

A programme of collection and recording of cave-dwelling fauna has been established under the auspices of the South Australian Museum. This survey is being carried out by Elery Hamilton-Smith of Melbourne, an Honorary Associate of the Museum.

All records are entered in two card indices - one being arranged taxonomically and the other geographically. These indices not only include the specimens held within the related collection, but all other known records from other collections or from the literature. Extraction of data pertaining to any specific taxonomic category or to any specific geographical area is therefore a comparatively simple matter.

The survey has already revealed the occurrence of a much larger and more interesting fauna within Australian caves than has hitherto been suspected. Some 15 papers reporting on material from the survey have already been published and a considerable amount of further work is in progress, primarily by specialists working upon each of a number of the families represented. Good series of material are also available for study in a number of taxa not being examined currently, including Isopoda and many families of both Diptera and Coleoptera.

Most Australian cave areas are already represented in the collections, along with the cave specimens collected in New Guinea by the 1965 Australian Star Mountains Expedition and those from New Caledonia resulting from the 1965-6 Bio-Speleological Expedition already reported upon in this Bulletin.

A 5-MINUTE KILLING-TUBE.

Plaster of Paris plugs are usually used in killing tubes, but the hardening and drying out of the plaster takes quite some time, and the killing tubes during this process have to be left open, preferably in a fume cupboard. A safe killing tube can be prepared in 5 minutes in the following manner: 1 inch cyanide, covered with a very thin layer of vermiculate or, even a couple of layers of blotting paper discs are sufficient; they should be well moistened. For the plug, about $\frac{1}{2}$ inch thick disc of polystyrene foam plastic, such as used to pack cameras, microscopes, etc., can be used. The plug should be cut very slightly larger than the diameter of the tube, so when it is forced down, it fits tightly against the sides and will not slide about. For immediate use of the killing-tube, the plug can be punctured in a few places for the fumes to escape instantly. Even without such punctures a killing-tube prepared the day before killed quite large diptera immediately.

Zenta Liepa

THE LORD HOWE ISLAND PHASMID

On 17 April 1930, there was exhibited at a meeting of the Entomological Society of Queensland on behalf of Mr. H.M. Nicholls, Government Microbiologist, Hobart, an excellent photograph with an accompanying note that it was "labelled 'Eurycantha australis Gray, Lord Howe Island'. A relative of mine who is interested in scientific matters resided on Lord Howe Island for some years and he tells me that he has never heard of this insect there, so that it is possible that it may have become extinct. I have heard that the introduction of the common rat there has led to the disappearance of a good many indigenous forms of life." (See also McAlpine, Aust. ent. Soc. News Bull. 2 (3): 71.)

COMMENT ON PSEUDOTAENIA AJAX SAUND. (BUPRESTIDAE).

Mr. E. Adams, of "Mourangee", Edungalba, Queensland, has sent some comments on Pseudotaenia ajax Saund. This is a very beautiful species, two inches or more in length, of a bright green metallic colour and covered with a yellow "bloom". The adult is active from the first week in January until the end of March, but appears to be most numerous in January. The adults occur on the trunks of Brigalow trees and Mr. Adams first collected specimens by the novel method of firing a .22 bullet so as to strike the trunk near the insect. This dislodged it and it fell to the ground, feigning death. Later, on finding it on the leaves of the Coolibah, he adopted more the conventional method of using a long-handled net, and using an axe to jar the tree.

Clearing of Brigalow in the Fitzroy Basin has virtually destroyed P. ajax there, and flooding probably also reduced their numbers as they breed low down in the Brigalow trees. In March, 1954 one of the highest floods on record occurred in the Fitzroy Basin. P. ajax was not seen after that until January, 1966 (despite deliberate search) when a few were seen. The first sign of them was the appearance of holes in some trees where they had emerged.

Mr. Adams continues as follows: - "It has been the general opinion that P. ajax spends something like ten years in the trunk of a tree as a larva. I am not entirely in agreement with the ten year period for the trees that they hatched from in January, 1965, were killed by fire in December, 1964 and as the beetles always seem to lay eggs on a dead patch of wood on a living tree, I think that the eggs were laid on those trees which would be partly dead in January, 1964, the beetles emerging in January, 1965. There were a number of these dead trees and quite a few had holes where beetles had recently emerged. The trees were all growing on the fringe of a patch of living trees which showed no sign of where beetles had emerged.

I remember my friend C. Vallis once took a number of P. ajax from leaves of Grey Box at Theodore on the Dawson River. He told me that the only Brigalow near had been dead for a few years. This could indicate that some beetles emerge years later than others, from eggs laid together.

As the Brigalow scrub is a paradise for the collector, yielding numbers of species of Melobasis, Cisseis, Pseudotaenia, Tenebrionidae, Longicorns and Weevils, not to mention the multitude of bird life etc., let's hope that areas are set aside as parklands in order to give future naturalists a glimpse, at least, into the past".

